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model composition distributed

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### Simulation, verification and automated composition of web services - all 21 versions »

S Narayanan, SA McIlraith - Proceedings of the eleventh international conference on ..., 2002 - portal.acm.org

... Web Services, Web Service Composition, Distributed Systems, Automated ... relevant to our work on Web service **composition**. ... theory that constrains the **models** of the ...

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### [PDF] Extending standard UML with model composition semantics - all 7 versions »

S Clarke - Science of Computer Programming, 2002 - cs.tcd.ie

... For example, a requirement for **distributed** objects has ... manner also requires corresponding **composition** support, as ... The subject- oriented design **model** supports ...

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### [book] Objects, components, and frameworks with UML: the catalysis approach - all 2 versions »

DF D'Souza, AC Wills - 1998 - Addison-Wesley Longman Publishing Co., Inc. Boston, MA, USA

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### [PDF] Recursive and dynamic software composition with sharing - all 9 versions »

E Bruneton, T Coupaye, JB Stefani - Proceedings of the 7th ECOOP International Workshop on ..., 2002 - www-lsr.imag.fr

... object, in the sense of object introduced in the Reference **Model** for Open **Distributed** Processing [9, 10]. (2) **Composition**. A general system **model** should allow ...

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### From Object Composition to Model Transformation with the MDA - all 11 versions »

J Bézivin - Proceedings of TOOLS, 2001 - doi.ieeecomputersociety.org

... paradigm by the more fashionable object **composition** paradigm ... and the OMA **distributed**

programming framework ... is needed is a sound global **model**-engineering framework ...

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### The programming **model** of ASSIST, an environment for parallel and distributed portable applications - all 3 versions »

M Vanneschi - Parallel Computing, 2002 - Elsevier

... in scalar, can be accepted and then **distributed** to the VPs. ... are the basic mechanism for the **composition** and interfacing ... is the one of the CSP **model** [15] based ...

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### Composing crosscutting concerns using composition filters - all 11 versions »

L Bergmans, M Aksits - Communications of the ACM, 2001 - portal.acm.org  
... oriented language-database integration **model**: The **composition** ... object-interactions  
using **composition**-filters. ... Eds., Object-based **Distributed** Processing, Springer ...  
Cited by 251 - Related Articles - Web Search

**Reo: a channel-based coordination model for component composition** - all 9 versions »  
F ARBAB - Mathematical Structures in Computer Science, 2004 - journals.cambridge.org  
... the primitive operations that allow **composition** of channels ... advantages over other  
communication **models**, especially for ... systems that are **distributed**, mobile, and ...  
Cited by 143 - Related Articles - Library Search

**Context, composition and heterogeneity: Using multilevel models in health research** - all 4 versions »  
C Duncan, K Jones, G Moon - Social Science & Medicine, 1998 - Elsevier  
... breaking the assumption of an independently **distributed** error term ... are included in  
an overall **model** to allow for the population **composition** of particular ...  
Cited by 186 - Related Articles - Web Search

**The next step in Web services** - all 7 versions »  
F Curbera, R Khalaf, N Mukhi, S Tai, S Weerawarana - Communications of the ACM, 2003 -  
portal.acm.org  
... The combined use of these three specifications allows the BPEL **composition model**  
to be extended with **distributed** coordination capabilities. ...  
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[I Foster](#)
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### [Customization and composition of distributed objects: middleware abstractions for policy management - all 8 versions »](#)

I Astley, GA Agha - Proceedings of the 6th ACM SIGSOFT international symposium ..., 1998 - portal.acm.org

... Composition operators are used to build connections between ... interactions may be used

to model standard distributed ... an actor encapsulates a state, a thread of ...

Cited by 45 - Related Articles - Web Search

### [Grid services for distributed system integration - all 47 versions »](#)

I Foster, C Kesselman, JM Nick, S Tuecke - Computer, 2002 - ieeexplore.ieee.org

... resources within a VO based on composition from lower ... This important aspect of the OGSA model provides the ... Grid services can maintain internal state for their ...

Cited by 876 - Related Articles - Web Search

### [An End-to-End QoS Model and Management Architecture - all 2 versions »](#)

D Hull, A Shankar, K Nahrstedt, JWS Liu - ... Workshop on Middleware for Distributed Real-time Systems ..., 1997 - citeseer.ist.psu.edu

... Li, Nahrstedt (1999) (Correct) Optimal State Prediction for ... 1994 84 A resource allocation model of QoS ... Correct) QoS-Assured Service Composition in Managed ...

Cited by 63 - Related Articles - Cached - Web Search

### [The SAHARA Model for Service Composition across Multiple Providers - all 20 versions »](#)

B Raman, S Agarwal, Y Chen, M Caesar, W Cui, P ... - ... Computing: First International Conference, Pervasive 2002, ..., 2002 - books.google.com

... and server load using a link-state algorithm [4 ... Its three layer model of applications, distributed ... that SAHARA adds elements of composition across heterogeneous ...

Cited by 56 - Related Articles - Web Search

### [Web service composition transaction management - all 8 versions »](#)

B Limthanaphon, Y Zhang - Proceedings of the fifteenth conference on Australasian ..., 2004 - portal.acm.org

... The state reflects what both sides know of their relationship. ... 175 Page 6. 4 Web Service Tentative Hold and Compensation Composition Transaction Model ...

Cited by 27 - Related Articles - Web Search

### [Distributed supply chain simulation in a DEVS/CORBA execution environment - all 6 versions »](#)

BP Zeigler, D Kim, SJ Buckley - Proceedings of the 31st conference on Winter simulation: ..., 1999 - portal.acm.org

... while the coupled model embodies DEVS hierarchical model composition constructs ...

Also,

internal events arising within the model, change its state, as well ...

Cited by 43 - Related Articles - Web Search

### [The Self-Serv environment for Web services composition - all 15 versions »](#)

B Benatallah, QZ Sheng, M Dumas - Internet Computing, IEEE, 2003 - ieeexplore.ieee.org  
... soft- ware components hosted by the providers parti- pating in the **composition**. ...

The two basic elements of this **model** are the **state** coordinator and ...

Cited by 253 - Related Articles - Web Search

### Safe'composability'of middleware services

N Venkatasubramanian - Communications of the ACM, 2002 - portal.acm.org

... A **state** broadcast mechanism is used to implement a ... developing middleware that allows flexible **composition** of these ... is a lack of formal **models** for expressing ...

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### [PDF] Recursive and dynamic software **composition** with sharing - all 9 versions »

E Bruneton, T Coupaye, JB Stefani - Proceedings of the 7th ECOOP International Workshop on ..., 2002 - www-lsr.imag.fr

... and that any modification of the **state** of a ... system **model** should allow the dynamic **composition** or assembly ... A general system **model** should support different forms ...

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### [PDF] Don't go with the flow: Web services **composition** standards exposed - all 14 versions »

WMP van der Aalst - IEEE Intelligent Systems, 2003 - informatik.hu-berlin.de

... A web services **composition** language provides the means to specify such a process **model**. ... The only **state** notion supported is the **state** in-between sending ...

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state machine "input constraint"

1995

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[S Hauck](#)[M Garofalakis](#)[R Rastogi](#)[K Shim](#)[A En-Nouaary](#)

A En-Nouaary, R Dssouli, F Khendek, A Elqortobi - 19th IEEE Real-Time Systems

Symposium (RTSS'98), 1998 - doi.ieeeecs.org

... In order to generate the timed test suite, the TIOA is first transformed into a Nondeterministic Timed Finite State Machine (NTFSM) with a given granularity. ...

Cited by 80 - Related Articles - Web Search

[Asynchronous design methodologies: an overview - all 28 versions »](#)

S Hauck - Proceedings of the IEEE, 1995 - ieeexplore.ieee.org

... 1. Example of a flow table (left), and the corresponding state machine (right). ... R () TT L Fig. 4. Hollaar's implementation of a sequential state machine. ...

Cited by 364 - Related Articles - Web Search - Library Search

[HW/SW partitioning and code generation of embedded control applications on a reconfigurable ... - all 16 versions »](#)

M Baleani, F Gennari, Y Jiang, Y Patel, RK Brayton ... - Proceedings of the tenth international symposium on Hardware ..., 2002 - portal.acm.org

... Due to the fine granularity of the finite state machine code, we adopted the ... For the selected architecture [7], the input constraint is 32 \* 3 bits and the ...

Cited by 46 - Related Articles - Web Search

[Deriving a Simulation Input Generator and a Coverage Metric From a Formal Specification - all 21 versions »](#)

K Shimizu, DL Dill - Proc. 2002. Design Automation Conference, 39th DAC, 2002 - doi.ieeecomputersociety.org

... software uses a statically-built BDD which represents the entire input constraint logic; in ... the value of a signal (or the state of a state machine) a cycle ...

Cited by 35 - Related Articles - Web Search

[SBSAT: a State-Based, BDD-Based Satisfiability Solver - all 3 versions »](#)

J Franco, M Kouril, J Schlipf, J Ward, S Weaver, M ... - Theory and Applications of Satisfiability Testing: 6th ..., 2004 - books.google.com

... BDDs. The approach preprocesses the BDDs into state machines to allow for fast inferences based upon any single input constraint. It ...

Cited by 17 - Related Articles - Web Search

[\[PDF\] Verity-a formal verification program for custom CMOS circuits - all 9 versions »](#)

A Kuehlmann, A Srinivasan, DP LaPotin - IBM Journal of Research and Development, 1995 - cadence.com

... B . In other words, if the machines start from ... a verification model in which corresponding state registers are ... The input constraint describes the care-set for ...

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[A formal approach to reactive system design: unmanned aerial vehicle flight management system design ... - all 5 versions »](#)

TJ Koo, B Sinopoli, A Sangiovanni-Vincentelli, S ... - Computer Aided Control System Design, 1999. Proceedings of ..., 1999 - ieeexplore.ieee.org

... The FMS can be modeled by a hierarchical finite **state machine**. ... Hence, any violation in the **state** and **input constraint** can be detected and a new ...

Cited by 17 - Related Articles - Web Search

Timed Wp-method: testing real-time systems - all 6 versions »

A En-Nouaary, R Dssouli, F Khendek - Software Engineering, IEEE Transactions on, 2002 - ieeexplore.ieee.org

... This leads to a reduction of the region graph into a Grid Automaton, which is then transformed into a Nondeterministic Timed Finite **State Machine** (NTFSM). ...

Cited by 41 - Related Articles - Web Search

Default timed concurrent constraint programming - all 9 versions »

VA Saraswat, R Jagadeesan, V Gupta - Proceedings of the 22nd ACM SIGPLAN-SIGACT symposium on ..., 1995 - portal.acm.org

... on "signals" can be compiled into finite **state** automata with simple transitions. ... (send messages to the outside world) and revises its internal **state**. ...

Cited by 40 - Related Articles - Web Search

[PDF] SPIRIT: Sequential Pattern Mining with Regular Expression Constraints - all 24 versions »

MN Garofalakis, R Rastogi, K Shim - Proceedings of the 25th International Conference on Very ..., 1999 - acm.org

... In- formally, a deterministic finite automaton is a finite **state machine** with (a) a well-defined start **state** (denoted by  $\square$ ) and ...

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B Limthanmaphon, Y Zhang - Proceedings of the fifteenth conference on Australasian ... , 2004 - portal.acm.org

[A PRESLEY](#)... are likely to be using incompatible transaction **management** implementations ...

Provide

a foundation for **workflow**. ... We present figure 3, a **state machine** diagram that ...[Cited by 27](#) - [Related Articles](#) - [Web Search](#)**[BOOK] Inputs and Outputs in the Process Specification Language** - all 2 versions »

C Bock, M Gruninger, National Institute of ... - 2004 - mel.nist.gov

... production planning, simulation, project **management**, **workflow**, and business ... Expression12: Input and Output **State** Uniqueness 9 ... on the milling **machine** or takes ...[Cited by 2](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)**[PDF] A REPRESENTATION METHOD TO SUPPORT ENTERPRISE ENGINEERING**

AR PRESLEY - 1997 - arri.uta.edu

... 143 4-4. **Machine Entity** ... 4-13. Example of Complex **State** Transition Schematic ... capabilities.The **workflow** approach [17; 40] uses this technology enabled process ...[Cited by 14](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)**Model composition in a distributed environment** - all 4 versions »

K Chari - Decision Support Systems, 2003 - Elsevier

... Author Keywords: DSS; Model **management**; Model composition; Model integration; Distributed systems. ... as FL or a generic scope value such as **State** that represents ...[Cited by 4](#) - [Related Articles](#) - [Web Search](#)state machine workflow managerer [Search](#)[Google Home](#) - [About Google](#) - [About Google Scholar](#)

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	859	(state or fsm or fsa) and (transition or arc or path ) and (workflow or task\$3 or "work flow" or job ) and (generat\$3 near5 instruction) and (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or modify\$3 or modification or edit\$3 ) and (restrain\$3 or constraint or constrain\$3 or restrict\$3 or enforc\$4 or authoriz\$5 or compliance or allowable ) near5 (input\$4 or entry or entries or use ) and (event or transition or handl\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 15:13
L2	850	(defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) same (state or fsm or fsa) and (transition or arc or path ) same (workflow or task\$3 or "work flow" or job or process ) and ((defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 instruction) same (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or modify\$3 or modification or edit\$3 ) and (restrain\$3 or constraint or constrain\$3 or restrict\$3 or enforc\$4 or authoriz\$5 or compliance or allowable ) near5 (input\$4 or entry or entries or use ) and (event or transition or handl\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 15:20

## EAST Search History

L3	71	(defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 (state or fsm or fsa) same (event or transition or handl\$3 ) and (transition or arc or path ) near5 (workflow or task\$3 or "work flow" or job or process ) and ((defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 instruction) same (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or modify\$3 or modification or edit\$3 ) and (restrain\$3 or constraint or constrain\$3 or restrict\$3 or enforc\$4 or authoriz\$5 or compliance or allowable ) near3 (personnel or employee or user or manager or engineer or worker ) same (input\$4 or entry or entries or use )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 15:24
L4	0	(defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 (state or fsm or fsa) same (event or transition or handl\$3 ) and (transition or arc or path ) near5 (workflow or task\$3 or "work flow" or job or process ) and ((defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 instruction) same (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or modify\$3 or modification or edit\$3 ) and (restrain\$3 or constraint or constrain\$3 or restrict\$3 or enforc\$4 or authoriz\$5 or compliance or allowable ) near3 (personnel or employee or user or manager or engineer or worker ) same (input\$4 or entry or entries or use ) near5 (console or terminal or display or monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 15:32

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L5	15	(defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 (state or fsm or fsa) and (event or transition or handl\$3 ) same (transition or arc or path ) near5 (workflow or task\$3 or "work flow" or job or process ) and ((defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 instruction) same (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or modify\$3 or modification or edit\$3 ) and (restrain\$3 or constraint or constrain\$3 or restrict\$3 or enforc\$4 or authoriz\$5 or compliance or allowable ) near3 (personnel or employee or user or manager or engineer or worker ) same (input\$4 or entry or entries or use ) same (console or terminal or display or monitor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 15:40
L6	3	state near5 model same composition same distributed and (management or workflow or work or process or task )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 16:09
L7	22	717/106.ccls. and (defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 (state or fsm or fsa) and (event or transition or handl\$3 ) and (transition or arc or path ) near5 (workflow or task\$3 or "work flow" or job or process )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 16:04
L8	45	717/104.ccls. and (defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 (state or fsm or fsa) and (event or transition or handl\$3 ) and (transition or arc or path ) near5 (workflow or task\$3 or "work flow" or job or process )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 16:24

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L9	123	(fsa or fsm or state) same (machine or model or transition ) same composition same distributed and (role or personnel or worker or user or manager or management or workflow or work or process or task )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 16:19
L10	5	717/???.ccls. and (fsa or fsm or state) same (machine or model or transition ) same composition same distributed and (role or personnel or worker or user or manager or management or workflow or work or process or task )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 16:14
L11	28	717/124.ccls. and (defin\$3 or creat\$3 or produc\$3 or generat\$3 or configur\$3 or design\$3 or manag\$3 or output\$4 or specify\$3 or specification ) near5 (state or fsm or fsa) and (event or transition or handl\$3 ) and (transition or arc or path ) near5 (workflow or task\$3 or "work flow" or job or process )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/23 16:30
S1	611	717/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 17:29
S2	354	717/101.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 17:29
S3	147	717/102.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 17:29
S4	545	717/106.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 17:29
S7	17	(S1 S2 S3 S4) and ((state or fsm or fsa) and (transition\$3 or arc or path ) ) and (flowchart or workflow or task\$3 ) and (generat\$3 near5 instruction) and (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or repeat\$3 or return\$3 ) and input\$4 and event	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 17:40

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S10	165	(state or fsm or fsa) same (transition\$3 or arc or path ) same (workflow ) and (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or repeat\$3 or return\$3 or edit\$3 or modify\$3 or modification ) and input\$4 and event	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/10 17:43
S11	0	debug\$4 and ((state or fsm or fsa) and (transition\$3 or arc or path )) and (flowchart or workflow or task\$3 or process) and (generat\$3 near5 instruction) and (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or repeat\$3 or return\$3 or messag\$3 ) and output\$4 and input\$4 and event and (terminat\$3 or complet\$3 or end\$3 or finish\$3 ) and (first or initial\$2 or second or third or fourth or plurality or multiple) near3 (transition\$3 or arc or path or cycl\$3 ) and ( debug\$4 near3 (request near3 form) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 16:37
S12	42	debug\$4 and ((state or fsm or fsa) and (transition\$3 or arc or path )) and (flowchart or workflow or task\$3 or process) and (generat\$3 near5 instruction) and (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or repeat\$3 or return\$3 or messag\$3 ) and output\$4 and input\$4 and event and (terminat\$3 or complet\$3 or end\$3 or finish\$3 ) and (first or initial\$2 or second or third or fourth or plurality or multiple) near3 (transition\$3 or arc or path or cycl\$3 ) and ( debug\$4 near3 request)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 16:48
S13	2	"20050120280"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 16:51

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S14	158	debug\$4 and ((state or fsm or fsa) and (transition\$3 or arc or path )) and (flowchart or workflow or task\$3 or process) and (generat\$3 near5 instruction) and (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or repeat\$3 or return\$3 or messag\$3 ) and output\$4 and input\$4 and event and (terminat\$3 or complet\$3 or end\$3 or finish\$3 ) and (first or initial\$2 or second or third or fourth or plurality or multiple) near3 (transition\$3 or arc or path or cycl\$3 ) and (generat\$3 or creat\$3 or develop\$4) near3 (instruction and path)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 16:52
S15	410	debug\$4 and ((state or fsm or fsa) and (transition\$3 or arc or path )) and (flowchart or workflow or task\$3 or process) and (generat\$3 near5 instruction) and (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or repeat\$3 or return\$3 or messag\$3 ) and output\$4 and input\$4 and event and (terminat\$3 or complet\$3 or end\$3 or finish\$3 ) and (first or initial\$2 or second or third or fourth or plurality or multiple) near3 (transition\$3 or arc or path or cycl\$3 ) and (generat\$3 or creat\$3 or develop\$4) same (instruction and path) and (set\$4 or configur\$5 ) near3 state	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 17:06
S16	339	debug\$4 and ((state or fsm or fsa) and (transition\$3 or arc or path )) and (flowchart or workflow or task\$3 or process) and (generat\$3 near5 instruction) and (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or repeat\$3 or return\$3 or messag\$3 ) and output\$4 and input\$4 and event and (terminat\$3 or complet\$3 or end\$3 or finish\$3 ) and ( third or fourth or plurality or multiple) near3 (transition\$3 or arc or path or cycl\$3 ) and (generat\$3 or creat\$3 or develop\$4) same (instruction and path) and (set\$4 or configur\$5 ) near3 state	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 17:07

## EAST Search History

S17	373	debug\$4 and ((state or fsm or fsa) and (transition\$3 or arc or path ) and (flowchart or workflow or task\$3 or process) and (generat\$3 near5 instruction) and (add\$5 or delet\$3 or redirect\$3 or direct\$3 or alter\$5 or repeat\$3 or return\$3 or messag\$3 ) and output\$4 and input\$4 and event and (terminat\$3 or complet\$3 or end\$3 or finish\$3 ) and ( third or fourth or plurality or multiple or additional or subsequent ) near3 (transition\$3 or arc or path or cycl\$3 ) and (generat\$3 or creat\$3 or develop\$4) same (instruction and path) and (set\$4 or configur\$5 ) near3 state	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 17:06
S18	2	"6279009".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/06 15:04
S19	1356	state same (input\$4 or messag\$3 or instruction) same (plurality or multiple or "more than one" or "more than two" ) near5 (terminal or gui or ui or console )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/06 15:07
S20	17	state same (input\$4 or messag\$3 or instruction) same (plurality or multiple or "more than one" or "more than two" ) near5 (terminal or gui or ui or console ) and (dynamic\$4 or rearrang\$4 or adjust\$4 ) near3 ( transition or path or workflow)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/06 15:11
S21	13	state same (input\$4 or messag\$3 or instruction) same (plurality or multiple or "more than one" or "more than two" ) near5 (terminal or gui or ui or console ) and (reset\$4 or reconfigur\$5 or reconstruct\$3 ) near3 ( transition or path or workflow)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/06 15:12
S22	828	(cooperating or linked or inter or associated or nested ) near5 (state or fsm or fsa) and (transition or arc or path ) and (workflow or task\$3 ) and (generat\$3 near5 instruction) and (add\$3 or addition or delet\$3 or redirect\$3 or direct\$3 or alter\$3 or alteration ) and input\$4 and event	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 07:49

## EAST Search History

S23	676	(cooperating or linked or inter or associated or nested ) near3 (state or fsm or fsa) and (transition or arc or path ) and (workflow or task\$3 ) and (generat\$3 near5 instruction) and (add\$3 or addition or delet\$3 or redirect\$3 or direct\$3 or alter\$3 or alteration ) and input\$4 and event	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 07:49
S24	31	(717/10?.ccls. or 705/???.ccls. or 719/???.ccls. ) and (cooperating or linked or inter or associated or nested ) near3 (state or fsm or fsa) and (transition or arc or path ) and (workflow or task\$3 ) and (generat\$3 near5 instruction) and (add\$3 or addition or delet\$3 or redirect\$3 or direct\$3 or alter\$3 or alteration ) and input\$4 and event	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 07:50
S25	6	"20050114854" or ("6009455" "7219260").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/13 09:05